

EQUIVDOC INC 'J01168972'

***** Item Number 1 of 1 *****

DESCRIP :: PATENT
 TITLE :: Elastic processing agent imparting hydrophilic properties to
 fibers - c ontains copolymer emulsion obtd. from
 organopolysiloxane, (meth) acrylic monomer, hydrophilic
 monomer, etc.
 ASSIGNEE :: NISSHIN CHEM IND KK; SHINETSU CHEM IND KK
 PACODE :: NISV ; SHIE
 ACCNNO :: 229932
 DATE :: Jul 04, 1989
 ABSTRACT :: < BASIC> JP01168972 Fiber-treting agent contains copolymer
 emulsion asthe main component. The copolymer emulsion is prepd. by
 emulsion-polymerizing (A) mixt. of 5-95 pts. wt. oil-in-water
 emulsion of organopolysiloxane of formula (I) and 95-5 pts. wt.
 (B) monomer mixt. in the presence of a radical polymerization
 initiator. Mixt. (B) consists of 50-99 wt.% (b1) one or more kind
 of (meth)acrylic monomer of formula $CH_2 = CR_5COOR_6$ (II). 0-10 wt.%
 (b2) one or more polyfunctional monomers 1-20 wt.% (b3) one or
 more hydrophilic monomers and 0-20 wt.% (b4) monoethylenic unsatd.
 monomer. in total 100 wt.%. Monomer (b2) is selected from
 ehtylenic unsatd. amide alkylol or alkoxyalkyl substd. cpd.,
 oxirane gp.-contg. ethylenic unsatd. monomer, complete ester of
 polyvalent alcohol with (meth)acrylic acid, dibasic acid
 diallylester, allyl(meth)acrylate and divinylbenzene. Monomer (b3)
 is selected from ethylenic unsatd. monomer contg. carboxyl gp.,
 OH, amide, amino, sulfonic acid, phosphoric acid,
 polyalkyleneoxide and quat. ammonium salt. In (I), R1, R2 and R3
 =1-20C monovalent hydrocabron, monovalent halohydrocarbon; Y
 =radically reactive gp. and/or SH gp.-contg. organic gp.; X =H,
 monovalent lower alkyl or R1R2R4Si; R4 =as R1 or Y; m =less than
 10,000. In (II), R5 = H or CH3; R6 = 1-18C alkyl or alkoxy-substd.
 alkyl. USE/ADVANTAGE - The processing agent is useful for fiber
 prods. The processing agent imparts cleaning resistance and
 durable flexibility, and good feeling with good impact resilience.
 @ (12pp Dwg.No.0/0)@
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 DATEPR :: Dec 25, 1987
 EQUIVDOC :: J91043388 J01168972 J87328606 JPAT
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 SUBJECTP :: Radiation/Radical; Accelerators/Promotors; Si-OR/Si-Alkoxy;
 Polymerization; Process; Polymerization; Surfactant
 LANG :: JAPANESE
 TYPE :: PTNT
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